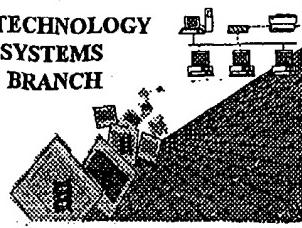


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/404,520A

Source:

1600

Date Processed by STIC:

1/7/2004

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

• PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT

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TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

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Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



1600

RAW SEQUENCE LISTING
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DATE: 01/07/2004
TIME: 12:07:42

Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
Output Set: N:\CRF4\01072004\I404520A.raw

2 <110> APPLICANT: Cao, Yongwei
 3 Ghodssi, Azita
 4 Hinkle, Gregory J.
 5 McIninch, James
 6 Timberlake, William E.
 7 Yu, Jaehyuk
 9 <120> TITLE OF INVENTION: Emericella nidulans Genome Sequence and Uses Thereof
 11 <130> FILE REFERENCE: 38-10(15498)A
 OK> 13 <140> CURRENT APPLICATION NUMBER: US/09/404,520A
 OK> 13 <141> CURRENT FILING DATE: 1999-09-23
 E--> 13 <160> NUMBER OF SEQ ID NOS: 44345 44347 (p.14)

pp 1/16
 12/27 Not Comply
 12/27 or 12/28 Need to

ERRORED SEQUENCES

1357 <210> SEQ ID NO: 24
 1358 <211> LENGTH: 1314
 1359 <212> TYPE: DNA
 1360 <213> ORGANISM: Aspergillus nidulans → 12207
 1362 <223> OTHER INFORMATION: unsure at all n locations
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 1369 gtaacagccca gtcaatgcag cggacaagac agactccatt aggcataaag gctaaccatc 180
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 1407 tctttgtat catctgcgcac atcaccctt tgacttatatt ataaaaatgtc cgct 1314

insert the mandatory numerical identifier whenever
 12217, 12227, or 12237
 is shown

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 1559 <223> OTHER INFORMATION: unsure at all n locations
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 1576 cggctgagt gagttgggtgg aaactgctca gttgtttaa caaaatttag tcccgcttga 480
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 1582 gggctagggg gttttttta ttccttaggc aaacgcctgt cggttgggtt cacaaccgg 660
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 1924 <223> OTHER INFORMATION: unsure at all n locations
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 1931 agctaggccct gaaaaccgc cccaaaccgt ggtttaacaa gtctactgt ggttgc 180
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 1943 tttgggtcag cctaaaat cccaaacccca atggattt agaaggacta acccaaccc 540
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 1947 cacatgaaaa atccctcgatc agtcaatgcc cccctcccttc tcatcaatca gacaatcac 660
 1949 cggaaaaaga gtcacaagac cttatgtcca ccccccata tccctact ggcattccat 720
 1951 cccaaacccctt ctcacatgtc acaaaaccccg aataactctc cccaccctgt ccccgacc 780
 1953 acatttcctg gtcaccgagt atactccgt tgcgtcggaa cccctccccc tcaattccca 840
 1955 gttttccattt ctgggggtac acgcggccctg agcgtggcga catccaaatg gtgtccggag 900
 1957 ataggtccgg ctcaaacacg tgcgtggct caagcgataa tgcgttagag ttggcgccgg 960
 W--> 1959 gttggatgtta aacccctcggtt ctgtaaaaaaaaa gtacaaacgt gcggtatgtc ttgttagcagn 1020
 1961 ggtgttgc tgggggtca ggaatgtac gaggatgag 1059

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2063 <213> ORGANISM: Aspergillus nidulans *insert 12207*

2065 <223> OTHER INFORMATION: unsure at all n locations

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2072 ccctggaaaa tagccggag caactccatc ctccatcaa ctccatctcc tacgcaggcc	180
2074 taaagacaag ctcgccaaga ttccgcctt gacgaccttc cccccaggaaa acatgtccct	240
2076 ttagcaaac accgcgtccc gtagatagaa ctcttaattt gaagccttct atcatcgca	300
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2100 atggggct gctgcagggtt gcagtgcggg ttgacaatcc tattgacatc attagtaaca	1020
2102 tagaagtgtc atgtaacgtt ctgtgtgtt accaagtgtt caggataaac cactggctgg	1080
2104 tgtcgaccag agaagaccc tccttactaa tcaacatcca gcacctcgct cgtccaatca	1140

W--> 2106 tacgaggca tcacaccggc atagcgantt gcaactatct atataactaac tgaattatct 1200
2108 actgaa
1205

2405 <210> SEQ ID NO: 45

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2407 <212> TYPE: DNA

2408 <213> ORGANISM: Aspergillus nidulans *insert 12207*

2410 <223> OTHER INFORMATION: unsure at all n locations

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2417 gtccttgcc tatacacgga ccttagaccc tagtactcg gccaaggctt gcgcgtgcct	180
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2427 aagttatgag gatggatctc ctttcttgc cttcgaggcc gcaattccaa ggctgtatac	480
2429 tggatattgc gaaacccat ttagaactgg gttgaggcga tagctggcaa ccaaatcaag	540

W--> 2431 gccatagccct gtgacaattt gctttaactt gctttaaat aattntata tatattctat 600
2433 attactggat aattttacta ttaattaaggc agtttataag aaatataaggta taatctatct 660
2435 aagtagtcta caaaaataaa agtttataat ttaacttagaaa attgcttatata taataaaggct 720
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809

2462 <210> SEQ ID NO: 47

2463 <211> LENGTH: 6877

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2464 <212> TYPE: DNA
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2474	tcatccggcc	gcgcgtgggt	cagcttagacc	aggtaactgg	tgcattgttgc	acatagggtt	180
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2482	cgttagttagg	aggtcaggca	tcatttgcac	tgtctaaatg	cctacccat	tcccatatgg	420
2484	agcgaagaat	acatagatcg	ttccgcgtcg	atcagccat	ccgggttaagg	tgttggtccg	480
2486	cgtcctcgcg	cagctgatc	cccgacacg	atagcatgag	ttgcacacat	ggtttcgggc	540
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2492	cagcggcata	tatcagactc	acttaaagcac	caccctgtcag	ccttgcctt	cgccgacaga	720
2494	ttatccaaca	aaggaagaac	tcaacgagca	tctcgaatat	gaccataacg	tatgcacggc	780
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2608 gctcaactgcc ttcaagtaac tgccgaggaa cctagcgta cctcgatgtt cagtcacaca 4200
2610 ttccggcgtt caccttgcatt cgggttagct gcagactaca aagtttgcgtt gggggggat 4260
2612 aggatcatga gtttattcatt caccagccatg taccaacaag gacacgacgc ttcttttcg 4320
2614 gtcgtgtca gaaacttaggg agtggggat gtcgtgtca cagctcaatc tgcacccac 4380
2616 gggatgtcca tggatgttgc tggatgttgc tctatgttgc cgtgtatcggt gggggggat 4440
2618 cgagaaaaaga atggtctgtt actgttactg tacgtatgaa acgaaacgtt atgtatcag 4500
2620 gaaagataat attccgaaaac tatcctataat attgacttgc gtctcttgc ggcgttcaag 4560
2622 agtgttaggg agttttttt ggggtgtcaa actgatttgc cccggactgt tatcattttttt 4620
2624 tcttctatca actactaaaaa gtctgtttt tacggactgtt cggactgtt gctctgttgc 4680
2626 tagtaccac tttttttttt atccaataatc aatcaactgtt atttgcattca gcaatgttgc 4740
2628 gaaggcgttca gtacccatggg gtttgcctaa ctgaccagac gctgtatgaga gcctaaattga 4800
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2632 ttagcagctt taaaaggatgtt gtaacataatc atatcataatc atgtttttttt gttttttttt 4920
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2636 ctctcatttc ttattttttt tttttttttt tttttttttttt tttttttttttt tttttttttttt 5040
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2640 taaaatttttttcc atacaaactgtt taatttttttgc gttttttttttt gttttttttttt ggggggggg 5160
2642 cagacccatgttcc tcccatgtacc agaattttttttt gttttttttttt gttttttttttt ggggggggg 5220
2644 tatttttttttttcc tagatttttttgc tttttttttttt gttttttttttt gttttttttttt ggggggggg 5280
2646 cctttggattt caccacccatcc aacatgttca gttttttttttt gttttttttttt ggggggggg 5340
2648 aaagctcgct ttttttttttttgc tttttttttttt gttttttttttt gttttttttttt ggggggggg 5400
2650 ttacagcttca ttttttttttttgc tttttttttttt gttttttttttt gttttttttttt ggggggggg 5460
2652 gatggggacaa ttttttttttttgc tttttttttttt gttttttttttt gttttttttttt ggggggggg 5520
2654 agcacatcttcc gcttttttttttgc tttttttttttt gttttttttttt gttttttttttt ggggggggg 5580
2656 qtcatgtacca cccatttttttttgc tttttttttttt gttttttttttt gttttttttttt ggggggggg 5640

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 2664 ccgtggacaa ccccaatact gtggtataaa atgcattgtc gcaacaaggta ataaggatgc 5880
 2666 tgcttatgtgag gaggaccag ctttttagta tctgggtgtg aaaaaaccaa ttgtcctaaa 5940
 2668 tataacaagac tgggtgttta gtcaggaagg gctacctact gttacagatg gttgaccctt 6000
 2670 caagcctccc taacccaggd gaactctgtc gtgagcttgc aatcttgcatt aacttaccaa 6060
 2672 atctctctt tgacaaccac atccaaaccag tgtgtatgtaa tggggaaaaa gtctgtctt 6120
 2674 gatcagctgc aagaatgtat caaatagaga tattagaaca aactctctgt attgttgtt 6180
 2676 aattagaagg gcgttagcaga ctagactgtt attataagca aatacgtcag gcgaccatag 6240
 2678 attgacaaat ggatgtgtc gacttattac caaggagcat tccgcgcag atatgcctt 6300
 2680 ccagaagagc ctggcagtaa ccagtgttag ttttattact cataatataa gacaaatgt 6360
 2682 attgcggccc aagatagaca gaggatttcg ccatcctact ctgtgcataa gttccctcca 6420
 2684 gcctaaaaga aacacccttta agttgggtat ttacagcaga ttcggcattc ttgactgtct 6480
 2686 caggcatcag gcccaggcc gccgcattca gttggcccg aatggttgt atactgttaa 6540
 2688 ttatgtgtc caattccttc agtctgtc agatatggc cagataccca cgtcaacag 6600
 2690 acacacgcct atcatttggc cctatatttgc cgccactgtt gattcgaac ttctggaagg 6660
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 2694 agagccatcc ttatggggcg tgggctgtc ggcgatagct ggctcttcgg gatgttcgac 6780
 2696 aggttaagtgc tttctgtatc acctctcgat aagccttctt aaagatatta tgaggaatag 6840
 2698 ctcatgcac tcattttga gccgaaatga ctgtcac 6877
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 2778 <211> LENGTH: 404
 2779 <212> TYPE: DNA
 2780 <213> ORGANISM: Aspergillus nidulans *insert 12207*
 2782 <223> OTHER INFORMATION: unsure at all n locations
flus 2783 <400> SEQUENCE: 51
 2785 atcaccaact ccgcgaacg ggtctcccgta gtcattggcc gactcagggtt tgtacccaa 60
 2787 aagttcccg gaatatcccc aggaacaatc cgttgcattca caggccaggc gaatgggtct 120
 2789 aacctcgatc ctactggaaa cgaacagtga gccttgcgtc ttcaatgcct gcccataaa 180
 2791 caaatcaatt tctcttctt acttgaggcc ttcttgcctc gcttgaatg cgccatcg 240
 W--> 2793 ctgactgacg taaaacaacg gtcgggggg accnctgaac tgattcgtcc cttctgttca 300
 2795 gaagacgcgt ggtctgaccc cgatccccca gtttgggat aacactgtca gtcattgttta 360
 2797 gtaaacgatc tagcgtggac tgaagggtt acaagctggta ttga 404
 2799 <210> SEQ ID NO: 80
 2800 <211> LENGTH: 3496
 2802 <212> TYPE: DNA
 2803 <213> ORGANISM: Aspergillus nidulans *insert 12207*
 2805 <223> OTHER INFORMATION: unsure at all n locations
flus 2806 <400> SEQUENCE: 80
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 2812 ccaagccgct cccgctgtcag taagatggct atagegcctc tttcttctt ggtcgacgc 180
 2814 tagcagaccg cacacgtcat cccttgcattt gtcattgggg ttctcgagaa attattttt 240
 2816 tattttttta ttttttctt cttccctatt tttttgggtt ggtacaatac tgcctagact 300
 2818 acggtaaca tctggggctg atcctgagga aggacacagc catgaaattt tcagggatcg 360
 2820 tcattcgtcg ccaatcacgt ccaggccctt caggcaagcc tatgccttat agagcataag 420
 2822 gagtacagtc cgaatgccga aattcgccta aaagtctca cagacccctt agcgccaaatg 480
 2824 ctaggccctt cgcttagcagc gagctcgaga tcccccattt cttccctaa tctgggttacc 540

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7726	ttccgtgccc	tggcgcccta	gcagggcac	ttgatttgc	aacagcacag	ccagggatgg	600	
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7730	cgttccctg	ttgatccatc	ctgtccact	tttttctctt	gccccacacg	cgtccgactc	720	
7732	gggctgacag	gatgttatta	cctcgacatt	tccggcgact	agtcgccgtt	gcgatcatgc	780	
7734	tcacaatcct	catcaactgg	catctactgc	ggaagacaca	tggaccggct	gtggctgatg	840	
7736	cgcgggcgca	atatccacgg	atcgcaaagt	acatagaggg	tggaaagggg	agccgcgtg	900	
7738	gtgagtccctc	tgtcggtatc	tttgttctc	ttgagaagca	gcgtggctga	cctactctca	960	
7740	tgcaatacgcc	ttgcatctcc	cgtcaacatg	gactgaaacc	ccgaacacgc	ccgtcaacga	1020	
7742	tgtcgctcgca	gccccgcacac	tggctctaaa	ccgcctcgac	aacgaccctt	ccgcccacct	1080	
7744	tccgcactcc	aacatcccc	ggatcatcca	tcaaacatgg	agagatacca	gttgcgaaaa	1140	
7746	atggcgacca	aagtaccagg	cgagcgtgga	gaaatggctg	cgctggctcg	aaggaggagga	1200	
7748	tatccgtac	ctatttggg	atgatccgg	agtcgtcaa	ttcatgcgaa	ccttgagcc	1260	
7750	gaatcttgag	gcggaattct	acggcctgcc	gagtccgggtt	gagcgtcg	atgtatttcg	1320	
7752	cgtgtcggtt	tgcaagtgg	tcgggtgtgt	tgttaaggccct	ccagctctct	ttgccttttt	1380	
7754	tctctgactt	gctgacaaggc	tgcacatgt	gtacgttgac	atggacacccg	agccatccg	1440	
7756	gtcgccact	aatggatca	tgccccaccga	cctaattccc	tggaccgacc	agaagacaag	1500	
7758	caaactttat	cactctacgc	aagctgtcaa	cgccatcg	ggcatcgaa	cagacacaaa	1560	
7760	ccctgacact	gacacctact	ggcgcacatgg	ctacttctc	cccatccaa	tcacccagtg	1620	
7762	ggcatcgca	ttcgccggc	accacccgt	cctacaaatc	ttcatcgacc	ggcttcacga	1680	
7764	gaccatccga	ctcgtaaaaa	gggatcagca	gctgctgccc	gaatccgagc	agagcgcgc	1740	
7766	ggcctggact	gggtcgaccc	tgtgaacctg	accggcccg	ttgcattcac	cgacagtgt	1800	
7768	cgcacgtatc	tggccggaaa	ggctgatctg	cgttggaaacg	cgctcaccgg	actgcatgac	1860	
7770	gacgtaaga	caaagctgg	cgaggacgt	cttgtccctc	cgatcaccgg	cttcagccct	1920	
7772	ggcagcgcgc	gttccgtaa	tatggctcg	aagcctgtca	ctgatccctc	ggcacactc	1980	
7774	taccatcact	ccgagggttc	gtggccgcat	tggagtcgt	gagtcgagat	ggcaagttt	2040	
7776	tgccgcacag	cgtttggct	ctgtaaagac	tgtcgaagg	tgtcgaatgg	ggacggttgg	2100	
7778	atttctgtat	gcgtatgtat	atgcgtttt	acgacctcta	tacccttgc	gtttgtttat	2160	
7780	attaggacga	tatataatca	tgtatagac	ctcgatgcac	aatgaaat	aatacttct	2220	
7782	acctgcagct	ccaggtcg	agccttgc	caaacttca	agagccggag	gcgccagtc	2280	
7784	ggacacctgc	cgcaagctcc	ttgacttcc	caggcttatg	atggacgagg	ctataaacgg	2340	
7786	cccccatgt	gcatcgctac	gcgcacag	ctatacgaa	ccgctggc	gactaaccag	2400	
7788	tatgtaaaa	gttgcgcct	tcatggagc	ggcacatgg	ttactgt	gctccaacag	2460	
7790	cgcacattgg	ctggctctgg	ctctgatgg	aactcaaggc	atggctat	tcccaattt	2520	
7792	agcttacagt	acgttagaaac	cttgcgtgt	tcagctaacc	aatactgagc	aaatctttag	2580	
7794	gatctgtctc	gaccggggccc	ttgtactcg	taactggag	ctaagctc	cacaatgac	2640	
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7798	cagagcgact	gttggggctg	ttgtctaa	agtcactgg	tcccattca	ggaaagccg	2760	
7800	tggaaatca	qcaacggtgc	gagtactcg	cgcttccaa	caacgcctg	ctgaacggac	2820	
7802	ggaattttg	ttgcaactg	gttgtatgg	catggatag	agtctgt	cttgtctgg	2880	
7804	ttggttacca	gaaagacatc	caacagcccc	tcacaatcg	gcatctcat	ctgtcttaca	2940	
7806	gattccaaat	ccaacgaagc	ttggtatttc	ggtagagagc	tcccaacgac	ggatacactt	3000	
7808	tgcaaggc	actcgatctc	cgtccgtcg	cacatctgtt	cttgtattcc	tccctatgt	3060	
7810	tcactttcat	cggtgactt	agccatgc	gagttctagg	tacatgc	aggtaaact	3120	
7812	cagcagaggt	tgcatttag	tattcc	gtAACATTCC	caatcccg	ctcgacacta	3180	
7814	tcctaccat	cacagtactt	tacctagg	ctgttctact	acatagatgt	cagagccgg	3240	
7816	gctgtgtg	aatgtgg	ccaacagacc	actgcaa	agagcacatc	ctgtttca	3300	
7818	agagaacggg	caaagtatgc	tcagcggac	cctcagcagg	ctcgctgt	gctccttgc	3360	
7820	gacccaaatca	acaagcgaaa	atcaatacgg	aatgccc	atagtt	ttcatcatag	3420	
W-->	7822	tccataataa	tttgattgac	tctcatgac	gtgtcngatt	ngcagcttcc	aacgtattta	3480

RAW SEQUENCE LISTING

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7824 ggtcatccct tataac
 8081 <210> SEQ ID NO: 84
 8082 <211> LENGTH: 674
 8083 <212> TYPE: DNA
 8084 <213> ORGANISM: Aspergillus nidulans *insert 12207*
 8086 <223> OTHER INFORMATION: unsure at all n locations
E--> 8087 <400> SEQUENCE: 84
 8089 gaataaccct actaaaggga tcagggcggt gaggcacttcg gataccttggatatagtctca 60
 8091 tctaaccgcgg gaatttgtctc gtccggcat gtcaaggacg ttacgccaga tttatgcgtc 120
 8093 ccatctccctt acgaaagtcc tgtagagctc tgacccatc aggaatttcca ccgatatt 180
 8095 cgggtcaaca cgcgcggaca gttttcgctt gcccgcgagg cgtatcgcca tctgcgtgaa 240
 8097 ggcggacgca tcatectcac aagttccaaac acagccagcg tcaaaggcgccccaggcac 300
 8099 gctgtgtact cgggctctaa gggggcgatt gacacccctt tgccgtgcct agctatcgac 360
 8101 tgccgcgaca agaagatcac ggtcaacgcg gtgcgtcccg gcgcctatcaa gaccgatatg 420
 8103 ttcttatccg tgccgcgaga gtatatcccc aatggggaga cttttaactga tgccgcgtt 480
 8105 gatgagggtac gtttgcttt tggtctaga tctacggcgctgtactaactg gacagtgtgc 540
 8107 cgcgtggctg tccgcgctaa atcgggtcggtt acccggtt gacgtggccc cggtgtcag 600
W--> 8109 ctttcttagct tcagatgcng cognattgtat cagttggaaag attattggcg ttgatggggg 660
 8111 gccttttagat aagc
 9218 <210> SEQ ID NO: 108
 9219 <211> LENGTH: 1395
 9220 <212> TYPE: DNA
 9221 <213> ORGANISM: Aspergillus nidulans *insert 12207*
 9223 <223> OTHER INFORMATION: unsure at all n locations
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 9230 cccacatggc cagaatccat gctgcgttgc ccccaactcgatctatc gcaaaactata 180
W--> 9232 ggcgcacanat catggacgtat ctcaggatcc gggtctcgcg atcagatcaco gagccgaaat 240
 9234 ctgaagcaag ttgaattgtat aagatccctc ggaatgagaa gcctagtgcg cggaaagatgt 300
 9236 acctggcttt taccgaatca agaccgattt cccggatgag gccgctgtta cttagtgc 360
 9238 catttcaaga gacaccagac agggagccgt acatacccgctgtaaacta ccttagcaga 420
 9240 cgttgaaatg tcatatcaga tgtagatcat gcatgaatta ttccctatcc tacccatgtt 480
 9242 cccgtactat ttgtactac caccggcaaa ctgggacgcg ataggtgttc tacccatcg 540
 9244 gctgagggtt acgcctctct cccggggaaa gaaaattgtg taaaggcggt tatatacgat 600
 9246 ttccatttttgc cctcgccccgc acttccacat attcagggtt ctttgaaggt tagaccgggt 660
 9248 aagtttcccg atgaggcggtt tggttgggg cgtgagttag ggtttgttt cgtatggca 720
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 9254 agacaaccgc aaaatcgatca atctccatca aaccccttgcg ttggccaaaga ttagaccccc 900
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 9260 cctcaatttgc gttccgttcccttgc tttcccttgc cagaatcgatccgttgc gttggcgttgc 1080
 9262 acctctgtct aatgcgttgc ctgaacgcac ttgtttttttt tagtttaggtt acgttagagta 1140
 9264 tgccggcaagg atagcccggtt cggggacgaa taaccatgc tcttgggttcc taaccatata 1200
 9266 tccataccat tccatgttgc tcaagagagc attgttaactc tccctgttgc tttatataac 1260
 9268 cgaaaaggcc aacgcgttgc caatccaaacgcgttgc gttggcgttgc 1320
 9270 gtccatgttgc ttcactgttgc ggggttgcgttgc tttatataat ctcgaaatgc ggtgccagca 1380
 9272 ttcttccttat gacgttgcgttgc ggggttgcgttgc tttatataat ctcgaaatgc ggtgccagca 1395

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9715 <210> SEQ ID NO: 117
9716 <211> LENGTH: 880
9717 <212> TYPE: DNA
9718 <213> ORGANISM: Aspergillus nidulans *rsit 2207*
9720 <223> OTHER INFORMATION: unsure at all n locations

E--> 9721 <400> SEQUENCE: 117

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9727	gctgacttgg	cagggttggac	agcagaaaatc	ctgataggat	ctatgtccat	tttgtctata	180
9729	ttatgtttca	gggttgggtt	ggattttggag	gctgggttct	gggcggggcg	gtagcaccgg	240
9731	tcggcgcgt	gaacaaggttc	aatatattca	ttatgttgcata	ggtcaaagat	agagtgcgttc	300
9733	aaaccttcca	atatctggta	gagattgggc	cgagcccccc	gatggagcgt	ggacacacac	360
9735	aaaatatctg	gccatgagtt	tgtattggcc	tcttacaaga	gcctttcaaa	acgagcaagg	420
9737	taagccacaa	gcaattcatc	atccctttaa	gagatgttgc	agaatgcgt	tatggcttct	480
9739	tgggttccc	gtgggttgtt	acagaggcat	tgaagaagg	agaagataac	ctcaggatcc	540
9741	tatttttgtt	tatcttctgc	agactggcag	agttgttagga	ccgaaggctg	ctatggctgt	600
9743	tctaattagt	cctatacata	gtcaaaggca	tcagctctgg	tgagctgatc	agatcagagt	660
9745	tttgcctga	tagatggaa	ccatgtacaa	ggtatgtata	gtttgcatt	gaagcaaggc	720

W--> 9747 **aggtcaggta** **gatgggtct** **gggtgtgt** **gcagtctgg** **gctgggtaca** **agctgttgc** **780**
9749 ctcagtacag agggatcaag gtctatcaag ttgctgaatt caagcattgc tctggagctg 840
9751 ttgaagtcaatgtggctct gagtttgc tgagctgctg 880

9826 <210> SEQ ID NO: 120

9827 <211> LENGTH: 233

9828 <212> TYPE: DNA

9829 <213> ORGANISM: Aspergillus nidulans *rsit 2207*

9831 <223> OTHER INFORMATION: unsure at all n locations

E--> 9832 <400> SEQUENCE: 120

9834	atgggtgatta	taagttctcg	cgaaggcgaa	acgagatgg	cacgattgca	aattactgt	60	
W-->	9836	ataagggatc	gctancaccc	aacgcacaat	atgtgtgtgt	acaggctgcg	cgaccatgag	120
9838	tgttgcctc	gatgtgtcaa	ctcgtgtct	ctatgttggc	cagcgcgega	agtatgtatgt	180	
9840	catgcataagg	atgggtgtgc	agacaaccta	tgtatcttgg	ccggacaatg	tag	233	

10075 <210> SEQ ID NO: 129

10076 <211> LENGTH: 710

10077 <212> TYPE: DNA

10078 <213> ORGANISM: Aspergillus nidulans *rsit 2207*

10080 <223> OTHER INFORMATION: unsure at all n locations

E--> 10081 <400> SEQUENCE: 129

10083	tggccatggc	tgaagtacaca	gagtccctcc	agggggcggt	ggtcctgtatc	aagcacaaat	60	
10085	cgtttgcgtt	cttccaccccg	gctgcattct	gtatagcgca	gattggcgca	gacataccctg	120	
10087	ttcttatttt	tcaagtccacc	atcttgcgc	tccctgtgt	cttcatggtc	ggccttggaa	180	
10089	tggatgcggg	tgtgttcttc	acgtatttgg	ttctggatt	tgcgacaaca	atggtaggtc	240	
10091	aacttacgt	atgtcattat	tcccttatgt	taacgtccgg	caggcgatga	ctgctgtctt	300	
10093	ccgagcttgc	ggtgccgctt	tcaagacgtt	cgatgacgca	tccaaagggtt	cggtttccct	360	
10095	tatctcagct	ctcatcatgt	acactggta	catgatccga	aagccggaaa	tgcacccctg	420	
10097	gttgggttgg	atctacttgg	ttgaccctct	ggcgtacggc	ttcgacgctt	tgcataatctaa	480	
10099	cgagtttcac	ggttaagatca	ttccctgcgt	gggcaccaac	cttggccccc	ccggaccagg	540	
10101	atacggaaat	gccactactc	agtcgtgtac	ttggcgttgg	ggttccatcc	ccggatcgaa	600	
W-->	10103	ttatgttcac	ggtgatgtact	accttcgaa	ttcttttgcgt	taggcacggc	cacctntggc	660
10105	gtactttcgg	attcttttgg	cttggggct	ctatgttgg	ggtggcacta		710	

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/404,520A

DATE: 01/07/2004
TIME: 12:07:42

Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
Output Set: N:\CRF4\01072004\I404520A.raw

11018	cgtccaccca	gaagcgggtg	tcgtcagact	gatattcga	atcaactctca	atctgctgct	240
11020	gagtccatgc	catagcgtcg	atgtatcctc	tagaagaata	tcagtgaaga	ccccccaaaa	300
W--> 11022	tcacaatcg t	tggatggcga	gatactegcc	cttgcgttc	tcggtgaggg	ngattgtca	360
11024	caccagactc	gcatttgcgg	tgccgcgtga	accagatctc	atatcaaaaat	ggttttcacc	420
11026	ttcgttagcga	gcttgaatat	ccttggccaa	gtcggagctt	gcatccatcg	ggtaataga	480
11028	gagacagagg	ccggcgcagct	tgacccggaa	gaagagccct	tatttgagaa	tggagccggt	540
11030	atcgccctgg	tcgatgggcc	tgccctagaca	ctttgacgcc	aatgaccca	gaatgaacaa	600
11032	ttctggtt						608
11279	<210>	SEQ ID NO:	154				
11280	<211>	LENGTH:	2081				
11281	<212>	TYPE:	DNA				
11282	<213>	ORGANISM:	Aspergillus nidulans	insert <2207			
11284	<223>	OTHER INFORMATION:	unsure at all n locations				
E--> 11285	<400>	SEQUENCE:	154				
11287	tgctctggat	actcgaaaaga	gtaacatgtc	ggtgtcagc	agcggcgaga	gaacccaacc	60
11289	gttcctcttt	tgatacatgt	ctcccagtgt	aggatacagg	taaccaggta	atcaacaact	120
11291	tggatgatac	tgccctgatgg	cctcgtaag	ctcgacaggg	ccgcccgttgg	acataaaaag	180
11293	atcaatatacc	cgcaatgttag	ggatcttatg	aatgaggtca	cttaccctgg	cggtgagggtt	240
11295	cgttgaacaa	ccctcgactt	tgggagtgtct	tcgaactccc	aagtttcag	cttgaagcgc	300
11297	agacccggagg	ccgctgttagg	cacgaagcac	tggtgcgcgt	cgtggccgc	taatcggtata	360
11299	ccatgggacg	atgatactga	gtcgttttgc	gtgaacgagc	acacggctgg	cttctggctg	420
11301	ccggagaaac	ttaagagggca	ttatccttga	gtctacgtat	gatgatatgc	tgtacaaga	480
11303	gcgacctgg	aaccctgtt	caacttgg	ccacctcatc	acgtatctgc	agacacggta	540
11305	agatatacca	ccattgaaaa	agggttaacg	tacttgtctc	ggaatcagac	atttaaactc	600
11307	tgtggcagt	ccgtccatgt	tttggtagag	gggttggatg	gtgtgcggag	ggtttttaaa	660
11309	gaaatgttag	cttggggaaac	atggcttct	tttataatca	ttctacccag	agcttaccta	720
11311	acagcacaga	atagcctact	tcctgcctag	cgaaaaacat	atctagac	atagatagatct	780
11313	cctgctctga	tcctccccc	ctagccgcac	ctaaacccaa	caacacccct	gacatcagtc	840
11315	ttcccacact	aattcttga	gaaactgacg	atctcggtgt	tcccctttc	cgcatcgta	900
11317	ggtgggagcc	cgtaaacgtg	ccagttttc	tcactgcaga	gtggcttct	ccaaatttggc	960
11319	aggtagttat	tgagggcagct	cagccctcccg	aaatttgactt	tatccttga	gagtatctgt	1020
11321	tatgaatgt	caaaggggaa	agggttagaag	gaagctgc	caactacacg	aacgttagct	1080
11323	actaaggata	ggatgcata	agacgattga	ttctctatct	tgtgac	atgtctact	1140
11325	tcttcaatgt	acaactcc	gaggatcag	gccaggggccc	agagatc	ccatacagat	1200
11327	cacgtggcac	gtgacacagag	gctcaacatg	atatattgt	atcagtatcc	tatgtgataa	1260
11329	gtctgttctt	cctcgccaa	aaatcacc	cagtattaa	cgataaaatga	tgtgctcggt	1320
11331	agtatgttag	atataacc	tcacttctat	aactatagat	ttggataca	gttacagaac	1380
11333	catgtcttgc	tatgttaggt	cataagccag	tgtcataact	taattcaatt	ttcttgccaa	1440
11335	gagactgaca	aacattgtgt	atcattgcgt	cttttaagta	cggcatactg	ttcgaacaaa	1500
11337	aggcaaaaa	cgtatttaac	acgtaacgag	tttgcgttcc	ctcagattct	gccagcagaa	1560
11339	atttgattac	atatgcagga	tagcttgcct	agtttcaccc	actgtttact	catcctaagc	1620
11341	accacgtaaa	ggtgcaagct	atgctcaggt	gaggtacaca	gcccgatccc	ctaggcagt	1680
11343	ctgggtttcg	tacaggaaaa	tcaagaaagc	tcgtacggac	cttataagac	aatcggttt	1740
11345	tcctcatccc	tttcaggaa	atcaaggtag	ataggatttt	cagccctacc	ttccactgga	1800
11347	tcaagattga	taaccagctg	gttgcgttcc	ccctggggta	gaccaagccc	atcaccaagc	1860
11349	ataccctgcc	agtgcgtc	tcgtacggag	cagcaatgcc	catggtcacg	ccatttacaa	1920
11351	ttggcgcagc	atccgttga	tgcccagcc	acatggcggc	attcaggaa	gactggctt	1980
11353	tcttgacgga	gccccatct	ttacagggt	ggtcagacga	gtccccaga	ctgtatagca	2040
W--> 11355	ttgcattgtat	gtcnangggc	cggtgttgc	taattgtatgc	a		2081

RAW SEQUENCE LISTING DATE: 01/07/2004
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Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
Output Set: N:\CRF4\01072004\I404520A.raw

11958 <210> SEQ ID NO: 166
 11959 <211> LENGTH: 173
 11960 <212> TYPE: DNA
 11961 <213> ORGANISM: Aspergillus nidulans
 11963 <223> OTHER INFORMATION: unsure at all n locations
 E--> 11964 <400> SEQUENCE: 166 *insert 2207*
 11966 taaaggatc tagaatcgta attatgagtt tgataaggaa aagcacatgg aatacatgg
 W--> 11968 aaattagtgc tataaggcat cgctangaca gaaggcagaa tactgtgttgc tataggttcc 120
 11970 gagagaatga ctgttgatc gatgtgttca ttatgtgttt ccatttttagt cag 173
 13005 <210> SEQ ID NO: 177
 13006 <211> LENGTH: 712
 13007 <212> TYPE: DNA
 13008 <213> ORGANISM: Aspergillus nidulans *insert 2207*
 13010 <223> OTHER INFORMATION: unsure at all n locations
 E--> 13011 <400> SEQUENCE: 177
 13013 cctcgacaa caaggtctac ttccagctgc accagaacgg ctccatcgaca gttaaacacgg 60
 13015 gccccatgg attggagcgt ctgcactaca tcatctctgg ggccgagaag cgccgaatca 120
 13017 agtttgtcat cccgttgggt aactactggg acgactttgg tggcatgaat gcctacatca 180
 13019 ggcctatgg cggcgacaaag cccggctggt acaccaatga taagattcag gtcgcatac 240
 13021 acgcctacgt caaggccgtg gtgaggcgtt atgttgactc cccggcaatct ttgcctggga 300
 13023 gttggcaat gagccccgcgt gcagtgggtt cgacacgtcc atcatcaatc agtggggcgc 360
 13025 gaaaaccagc agcttcatta aatccctggc tccaaaccat atggtaggcc tggcgacgg 420
 13027 tgagtccttccat gaatctccct ctctctggc gttagaccggc gctaagaggg gatctcttt 480
 13029 agagggcatg ggcctccctg gtgacagcaa ctatccctac tcctactacg aaggcaacga 540
 13031 ctgtgcactg aaccttgcca tcccgacat tgactttggc actctccatc tcataccac 600
 W--> 13033 cgactgtacg tatctnccgg atgaccaggat tctgcgttct ctctccatat cgggtgctaa 660
 13035 tgacttccag qggggcgttag caacaactcg tggggcaaca agtgggtaca ag 712
 13632 <210> SEQ ID NO: 183
 13633 <211> LENGTH: 1245
 13634 <212> TYPE: DNA
 13635 <213> ORGANISM: Aspergillus nidulans *insert 2207*
 13637 <223> OTHER INFORMATION: unsure at all n locations
 E--> 13638 <400> SEQUENCE: 183
 13640 atgataagca cagcgatcc cgctgggt aacgacggcg agggatagc accggacttt 60
 13642 ataacatcgc tgtcaaaagc tccgacctct cattgagttt ccgttagttt tctgcctaa 120
 13644 agaaatagaa aagatttggg tgaccgtaa acaaacacac ggaatggcac aagcaaggcc 180
 13646 agcgaatgtc tctggaccga cagtggagt gtcacagacag ggcgagacgc agcgtatgg 240
 13648 atgatcgatc ctatgtgtcc ctgtaaagaaa catcgaatgt gggtagtgc ttgcactaca 300
 13650 agtataacga tcttgatgg ctgaacggag gaaaacgggc agaaccgctt cagtaacagc 360
 13652 tgagcctcgat gagggtcgat atctgcattt taatttttc tcaagcacatc gacagtttct 420
 13654 ggttggcga gtcggccct cttaaatgtt ggtccgttag gtcacataga tcagactgcc 480
 13656 tccggatata aaggtccat cttccatca gcaatgttacttacggg aaacatggaa 540
 13658 acatgatgtca acttgcacaa gtggccatag ctttggatcc tcggatcgat gtcggcact 600
 13660 tggtaagctc acttctttgt cgagactgtatc atataccat attcgaaga gaattatgg 660
 13662 tgcgtgttc gtgagttgtc ggtatggctgc cgattgtaca tcaagaccgg tgggtggat 720
 13664 tgcggaaatc cttgcgtgtc cggtaagat gccagcgtct ggtatctccc tggtaagga 780
 13666 ctcttggca acttaagacc tattttcaat catgaaatca ggcgttcatg agttagtgc 840
 13668 gagtgatttc gaagaagttt acttggcgcac ggttggaaaa acaggaacgc tgggtccaca 900
 13670 ccaaatggct gaccggccac cattccatc tcqqaqagg aatcaccatc gtcgtatgt 960

IMPORTANT
The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

IMPORTANT

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/404,520A

DATE: 01/07/2004
TIME: 12:07:42

Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
Output Set: N:\CRF4\01072004\I404520A.raw

13672 catcggttcc acgtgatgca cgccgcggctc tgagcttccc caagctgggt actgggagaa 1020
13674 gcttcagggtt tcagcattaa gggtcttgta caatgtcact gacgcccggtagcgtccta 1080
W--> 13676 tcaatctcaa tetagtttc agegtcttnt caagtccatc gccggctctg ttccggatca 1140
13678 ccatcgctat ctncctgtct atcacggttt tccggcggtcc caccgagett tcgctccta 1200
13680 gccgcctgg tccctccttc agctcagttt ctgtctgacc tagcg 1245

Important! The type of errors shown exist throughout
the sequence listing. Please check subsequent
sequences for similar errors.

sent

09/404,520A 14

<210> 44347
<211> 21
<212> DNA
<213> Aspergillus nidulans

<400> 44347

gttctcgaga cgagcgatcg c

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VARIABLE LOCATION SUMMARY
PATENT APPLICATION: US/09/404,520A

DATE: 01/07/2004
TIME: 12:08:40

Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
Output Set: N:\CRF4\01072004\I404520A.raw

Use of n's or Xaa's(NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
in <220> to <223> section, please explain location of n or Xaa, and which
residue n or Xaa represents.

Seq#:24; N Pos. 211
Seq#:28; N Pos. 664
Seq#:33; N Pos. 1020
Seq#:37; N Pos. 1168
Seq#:45; N Pos. 586,757,758
Seq#:47; N Pos. 6706
Seq#:51; N Pos. 274
Seq#:80; N Pos. 3456,3461
Seq#:84; N Pos. 619,624
Seq#:108; N Pos. 188
Seq#:117; N Pos. 750
Seq#:120; N Pos. 75
Seq#:129; N Pos. 656
Seq#:141; N Pos. 36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54
Seq#:141; N Pos. 55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73
Seq#:141; N Pos. 74,75,76,77,78,79,80,81,82,83,84,85,86,87
Seq#:144; N Pos. 1431
Seq#:149; N Pos. 351
Seq#:154; N Pos. 2054,2056
Seq#:166; N Pos. 86
Seq#:177; N Pos. 616
Seq#:183; N Pos. 1109,1153
Seq#:195; N Pos. 4195
Seq#:197; N Pos. 830
Seq#:205; N Pos. 3103
Seq#:209; N Pos. 785,793,824
Seq#:220; N Pos. 16,33,34,74
Seq#:233; N Pos. 447
Seq#:236; N Pos. 146
Seq#:245; N Pos. 316,411
Seq#:275; N Pos. 502
Seq#:285; N Pos. 1544
Seq#:304; N Pos. 912
Seq#:310; N Pos. 671
Seq#:324; N Pos. 1508
Seq#:325; N Pos. 1222,1223,2378,2382,2427,2608
Seq#:334; N Pos. 803,807
Seq#:347; N Pos. 2863
Seq#:355; N Pos. 5912
Seq#:360; N Pos. 2289
Seq#:363; N Pos. 18
Seq#:365; N Pos. 519
Seq#:367; N Pos. 2039

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VARIABLE LOCATION SUMMARY
PATENT APPLICATION: US/09/404,520A

DATE: 01/07/2004
TIME: 12:08:40

Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
Output Set: N:\CRF4\01072004\I404520A.raw

Seq#:403; N Pos. 73
Seq#:425; N Pos. 620
Seq#:426; N Pos. 1004
Seq#:439; N Pos. 47,50,68,138,162,165,243,250,264,272,298,299,301,302,334
Seq#:439; N Pos. 385,420,463,489,493,573
Seq#:441; N Pos. 423
Seq#:457; N Pos. 669
Seq#:460; N Pos. 4388,4397

VERIFICATION SUMMARY
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Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
Output Set: N:\CRF4\01072004\I404520A.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1363 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:24
L:1363 M:283 W: Missing Blank Line separator, <400> field identifier
L:1371 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24
L:1371 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:24
L:1371 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:24
L:1371 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:180
L:1560 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:28
L:1560 M:283 W: Missing Blank Line separator, <400> field identifier
L:1584 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:28
L:1584 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:28
L:1584 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:28
L:1584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:660
L:1925 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:33
L:1925 M:283 W: Missing Blank Line separator, <400> field identifier
L:1959 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:33
L:1959 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:33
L:1959 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:33
L:1959 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:960
L:2066 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:37
L:2066 M:283 W: Missing Blank Line separator, <400> field identifier
L:2106 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:37
L:2106 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:37
L:2106 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:37
L:2106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:1140
L:2411 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:45
L:2411 M:283 W: Missing Blank Line separator, <400> field identifier
L:2431 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:45
L:2431 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:45
L:2431 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:45
L:2431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:540
M:341 Repeated in SeqNo=45
L:2468 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:47
L:2468 M:283 W: Missing Blank Line separator, <400> field identifier
L:2692 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:47
L:2692 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:47
L:2692 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:47
L:2692 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:6660
L:2783 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:51
L:2783 M:283 W: Missing Blank Line separator, <400> field identifier
L:2793 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:51
L:2793 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:51
L:2793 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:51
L:2793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:240
L:7706 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:80
L:7706 M:283 W: Missing Blank Line separator, <400> field identifier
L:7822 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:80

VERIFICATION SUMMARY

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Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
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L:7822 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:80
L:7822 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:80
L:7822 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:3420
L:8087 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:84
L:8087 M:283 W: Missing Blank Line separator, <400> field identifier
L:8109 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:84
L:8109 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:84
L:8109 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:84
L:8109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84 after pos.:600
L:9224 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:108
L:9224 M:283 W: Missing Blank Line separator, <400> field identifier
L:9232 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:108
L:9232 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:108
L:9232 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:108
L:9232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108 after pos.:180
L:9721 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:117
L:9721 M:283 W: Missing Blank Line separator, <400> field identifier
L:9747 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:117
L:9747 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:117
L:9747 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:117
L:9747 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117 after pos.:720
L:9832 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:120
L:9832 M:283 W: Missing Blank Line separator, <400> field identifier
L:9836 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:120
L:9836 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:120
L:9836 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:120
L:9836 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:60
L:10081 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:129
L:10081 M:283 W: Missing Blank Line separator, <400> field identifier
L:10103 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:129
L:10103 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:129
L:10103 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:129
L:10103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:129 after pos.:600
L:10596 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:141
L:10596 M:283 W: Missing Blank Line separator, <400> field identifier
L:10598 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:141
L:10598 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:141
L:10598 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:141
L:10598 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:141 after pos.:0
M:341 Repeated in SeqNo=141
L:10791 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:144
L:10791 M:283 W: Missing Blank Line separator, <400> field identifier
L:10839 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:144
L:10839 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:144
L:10839 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:144
L:10839 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:144 after pos.:1380
L:11010 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:149
L:11010 M:283 W: Missing Blank Line separator, <400> field identifier
L:11022 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:149

VERIFICATION SUMMARY

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Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
Output Set: N:\CRF4\01072004\I404520A.raw

L:11022 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:149
L:11022 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:149
L:11022 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:149 after pos.:300
L:11285 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:154
L:11285 M:283 W: Missing Blank Line separator, <400> field identifier
L:11355 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:154
L:11355 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:154
L:11355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:154 after pos.:2040
L:11964 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:166
L:11964 M:283 W: Missing Blank Line separator, <400> field identifier
L:11968 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:166 after pos.:60
L:13011 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:177
L:13011 M:283 W: Missing Blank Line separator, <400> field identifier
L:13033 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:177 after pos.:600
L:13638 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:183
L:13638 M:283 W: Missing Blank Line separator, <400> field identifier
L:13676 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183 after pos.:1080
M:341 Repeated in SeqNo=183
L:14911 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:195
L:14911 M:283 W: Missing Blank Line separator, <400> field identifier
L:15051 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:4140
L:15118 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:197
L:15118 M:283 W: Missing Blank Line separator, <400> field identifier
L:15146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:197 after pos.:780
L:15673 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:205
L:15673 M:283 W: Missing Blank Line separator, <400> field identifier
L:15777 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:205 after pos.:3060
L:16028 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:209
L:16028 M:283 W: Missing Blank Line separator, <400> field identifier
L:16056 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:209 after pos.:780
L:16661 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:220
L:16661 M:283 W: Missing Blank Line separator, <400> field identifier
L:16663 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:220 after pos.:0
M:341 Repeated in SeqNo=220
L:17374 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:233
L:17374 M:283 W: Missing Blank Line separator, <400> field identifier
L:17390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:233 after pos.:420
L:17457 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:236
L:17457 M:283 W: Missing Blank Line separator, <400> field identifier
L:17463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:236 after pos.:120
L:17884 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:245
L:17884 M:283 W: Missing Blank Line separator, <400> field identifier
L:17896 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:245 after pos.:300
M:341 Repeated in SeqNo=245
L:19129 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:275
L:19129 M:283 W: Missing Blank Line separator, <400> field identifier
L:19147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:275 after pos.:480
L:19734 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:285
L:19734 M:283 W: Missing Blank Line separator, <400> field identifier

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/404,520A

DATE: 01/07/2004

TIME: 12:08:40

Input Set : E:\ENU.corrected SEQ list 12.23.03.rpt.txt
Output Set: N:\CRF4\01072004\I404520A.raw

L:19786 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:285 after pos.:1500
L:20987 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:304
L:20987 M:283 W: Missing Blank Line separator, <400> field identifier
L:21019 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:304 after pos.:900
L:21306 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:310
L:21306 M:283 W: Missing Blank Line separator, <400> field identifier
L:21330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:310 after pos.:660
L:21915 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:324
L:21915 M:283 W: Missing Blank Line separator, <400> field identifier
L:21967 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:324 after pos.:1500
L:21988 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:325
L:21988 M:283 W: Missing Blank Line separator, <400> field identifier
L:22030 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:325 after pos.:1200
M:341 Repeated in SeqNo=325
L:22577 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:334
L:22577 M:283 W: Missing Blank Line separator, <400> field identifier
L:22605 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:334 after pos.:780
L:23450 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:347
L:23450 M:283 W: Missing Blank Line separator, <400> field identifier
L:23546 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:347 after pos.:2820
L:24201 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:355
L:24201 M:283 W: Missing Blank Line separator, <400> field identifier
L:24399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:355 after pos.:5880
L:24620 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:360
L:24620 M:283 W: Missing Blank Line separator, <400> field identifier
L:24698 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:360 after pos.:2280
L:24853 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:363
L:24853 M:283 W: Missing Blank Line separator, <400> field identifier
L:24855 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:363 after pos.:0
L:25104 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:365
L:25104 M:283 W: Missing Blank Line separator, <400> field identifier
L:25122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:365 after pos.:480
L:25187 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:367
L:25187 M:283 W: Missing Blank Line separator, <400> field identifier
L:25255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:367 after pos.:1980
L:28090 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:403
L:28090 M:283 W: Missing Blank Line separator, <400> field identifier
L:28094 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:403 after pos.:60
L:30085 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:425
L:30085 M:283 W: Missing Blank Line separator, <400> field identifier
L:30107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:425 after pos.:600
L:30118 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:426
L:30118 M:283 W: Missing Blank Line separator, <400> field identifier
L:30152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:426 after pos.:960
L:30961 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:439
L:30961 M:283 W: Missing Blank Line separator, <400> field identifier
L:31028 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:441
L:31028 M:283 W: Missing Blank Line separator, <400> field identifier
L:32189 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:457

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L:32189 M:283 W: Missing Blank Line separator, <400> field identifier
L:32294 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:460
L:32294 M:283 W: Missing Blank Line separator, <400> field identifier
L:32535 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:463
L:32535 M:283 W: Missing Blank Line separator, <400> field identifier
L:32598 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:464
L:32598 M:283 W: Missing Blank Line separator, <400> field identifier
L:13 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (44345) Counted (44347)